

PRECISION HI-FI ACCESSORIES

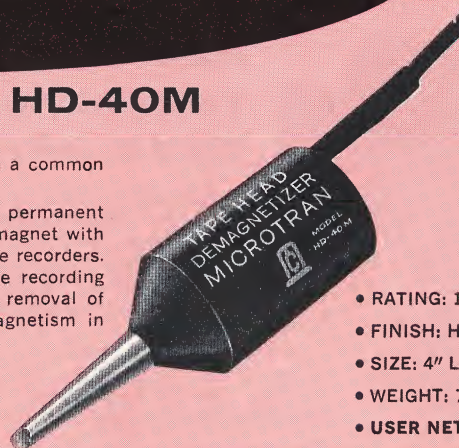
Tape Head Demagnetizer—Model HD-40M FOR TAPE RECORDING HEADS

Permanent magnetizing of recording heads during normal use of tape recorders is a common occurrence. Magnetized heads cause high noise level and harmonic distortion.

The HD-40M Head Demagnetizer, when properly used, removes any residual permanent magnetism from the heads. It consists of a heavy duty alternating current electromagnet with an extended pole piece designed for easy access to the recording heads of most tape recorders. When energized, contact of the demagnetizer pole piece with the pole tip of the recording head causes the head to be saturated by an alternating magnetic field. Gradual removal of the head from this saturating field neutralizes any residual permanent (DC) magnetism in the recording head.

- Removes permanent magnetism
- Reduces noise level
- Reduces harmonic distortion
- Improves signal to noise ratio

- Insures high frequency response
- Reduces hum of tape head
- Special finish on pole piece prevents marring recording head surfaces



- **RATING:** 117 volts AC, 1 AMP.
- **FINISH:** High impact molded epoxy
- **SIZE:** 4" Long x 1 1/4" Diameter
- **WEIGHT:** 7 ozs.
- **USER NET:** \$6.15



Magnetic Tape Eraser—Model HD-15

A compact bulk tape demagnetizer. Erases recorded signals and noise instantly, when passed over tapes or sound film, without rewinding. Restores tape and sound film to like new condition. Removes background noise below level of new tapes or sound film.

- Universal unit for any reel size
- Demagnetizes tape heads and guide posts, tools, watches, other metal objects, etc.

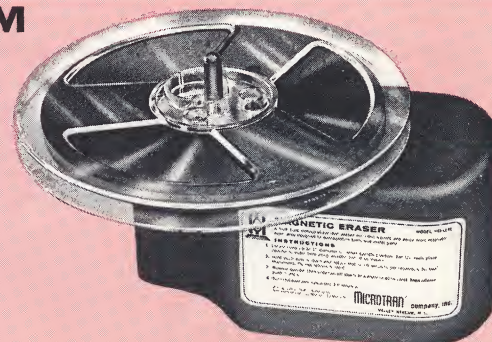
- Lightweight—hand held—easy to use
- **TAPE WIDTH RANGE:** 1/4 inch and 1/2 inch
- **SOUND FILM RANGE:** 8, 16 and 35mm
- **RATING:** 117 volts 50/60~, 4 amps
- **FINISH:** High impact plastic case
- **SIZE:** 4 3/8"L x 2 1/2"W x 4 3/8"H
- **LINE CORD:** 8' with molded plug
- **WEIGHT:** 2 1/2 lbs.
- **USER NET:** \$11.95

Magnetic Tape Eraser—Model HD-11M EPOXY MOLDED

A heavy duty bulk type demagnetizer that develops a high intensity magnetic field. Erases recorded signals and noise from magnetic tape without rewinding. Saves unnecessary wear on heads and tape. Noise level reduced below level of standard erase heads. Restores tape up to 1/2" to like new condition or better.

- Spindle mounting of reel permits rapid thorough coverage without missed spots.
- **Reel Size Range:** 5" x 7" x 10 1/2".
- Spindle removable for use with other reel sizes.
- **Universal Use:** May also be used for Demagnetizing Record Playback-Erase Heads, watches and other metal objects.

- **RATING:** 117 Volts AC, 5 Amps.
- **FINISH:** Cast Epoxy—High impact.
- **SIZE:** 7"L x 3 1/2"W x 3 1/4"H
- **WEIGHT:** 9 lbs.
- **USER NET:** \$18.95
- **ACCESSORY:** Adapter hub for use with N.A.B. 10 1/2" reels.
(Model HD-11-AD... **USER NET** \$2.30)



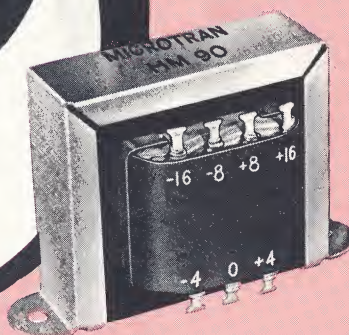
A MUST FOR STEREO RECORDING
Most stereo recorders do not provide facilities

Stereo Center Channel—Output Matching Transformer Model HM-90 FOR MONAURAL EXTENSION SPEAKERS

This precision transformer has been designed for the Audiophile who wishes to convert this Stereo System to Monaural or who wishes to modify or enlarge his Stereo system.

- Permits "hole-in-the-middle" fill in with 3rd Channel Speaker.
- Two HM-90 transformers permit construction of Single cabinet, Single location, Stereo system.
- Permits addition of any combination of Monaural or Stereo speakers, regardless of ratings.
- Permits these changes to be made and still maintain matched impedance, required polarities, and desired power levels.

- POWER:** 30 watts. Peak Power 100 watts.
- FREQUENCY RESPONSE (POWER):** 40 to 20,000 cycles.
- IMPEDANCE RANGE:** +16, +8, +4, 0, —4, —8, —16 ohms (Minus sign refers to reversed polarity.)
- INSERTION LOSS:** Less than 1 db. in most hookups. When used on +4Ω and in —4Ω out Taps, 3 db.
- SIMPLE CONNECTIONS:** Easy to follow instructions show connections to be made to numbered solder lugs for each type of stereo system.
- FINISH:** Vacuum Varnish impregnation.
- SIZE:** 3 1/2" x 2 1/2" x 2 3/8" hi; 3/8" Mtg. ctrs.
- WEIGHT:** 2 lbs.
- USER NET:** \$6.33



MICROTRAN

company, inc.
145 E. MINEOLA AVE., VALLEY STREAM, N. Y.



MICROTRAN company inc.



Hum-Bucking Telephone Pick-up Coil Model HP-70

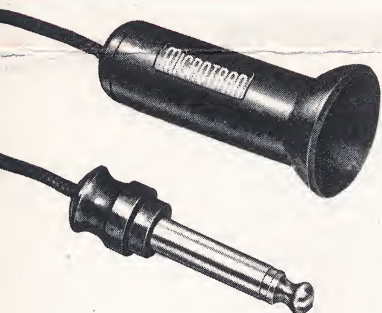
For transcribing telephone conversations, this coil is designed for use with high impedance input tape recorders, amplifiers and dictating machines. This deluxe unit has been designed with symmetrical hum cancelling pick-up coils. Ruggedly constructed of high impact plastic. Eliminates high stray hum pick-up usually encountered with conventional pick up coils.

- MOUNTING: Double Suction Cup
- CABLE LENGTH: 5 Feet
- TERMINATION: Tinned Leads
- SHIPPING WEIGHT: 2 ozs.
- COLOR: Grey
- SIZE: 2½"L x 7⁄8"W x 5⁄8"H
- Model HP-70: USER NET: \$6.95



As above with Molded Phone Plug Termination • Shipping Weight: 3 ozs.

- Model HP-71 — USER NET: \$7.50



Telephone Pick-up Coil—Model HP-61

For transcribing telephone conversations with recorder or making messages audible on amplifier. May also be used as probe for locating sources of hum.

EQUALIZED LEVEL: Local and distant conversations recorded with more constant signal level than base mounted units.

SUCTION CUP: Mounting on telephone receiver.

UNIVERSAL MODEL: One unit suitable for all types of telephones:

PLUG-IN USE: Supplied with 68" shielded cable, terminated with standard phone plug for mike input of recorder or amplifier.

FINISH: Optical Black.

SIZE: Only 5⁄8" diameter x 2" long

WEIGHT: 1½ ounces.

USER NET: \$4.77.



In-Line Microphone Transformer—Model M8027

For matching low impedance microphone to high impedance amplifier input. Permits use of long cables with minimum loss. Mu metal shielded to eliminate hum pick-up. Supplied with integral shielded cable which is to be terminated with desired connector. Housed in miniaturized, sturdy, high impact plastic case with internal electrostatic shield. Removable cover provides instant access to low impedance terminals.

IMPEDANCE RATIO: 1:400
PRIMARY IMPEDANCE: 200 Ohms Nominal (Also suitable for 150 and 250 ohms applications)
SECONDARY IMPEDANCE: 40,000 ohms Nominal
FREQUENCY RESPONSE: 50-20,000 cps ±2 db

CABLE LENGTH: 20"
CABLE TERMINATION: Tinned Leads
COLOR: Grey
SIZE: 2¼"L x 1¾"W x 7⁄8" DEPTH
WEIGHT: 2 ounces
USER NET: \$9.00



Plug-in Input Transformers

These Broadcast fidelity input transformers are double mu-metal shielded. Plug-in feature permits simple installation.

Octal Type Plug-in Base. M8030-1 have 8 pins.

M8032-3 have 9 pins. Matches many amplifiers.

Part Number	Pri. Imp.	Sec. Imp.	Magnetic Shielding	Frequency Resp. ±2db.	Height	Diameter	Weight Oz.	User Net
M8030*	200/50 C.T.	50,000	65	20-20,000	2½	1½D.	6	\$13.50
M8031	600 C.T./150	50,000	65	30-20,000	2½	1½D.	6	13.35
M8032†	250 C.T.	50,000	65	20-20,000	2½	1½D.	6	13.05
M8033†	50 C.T.	50,000	65	20-20,000	2½	1½D.	6	13.05

*M8030 is designed as a replacement for Ampex No. 1733-1.

†M8032 and M8033 mates with sockets on many RCA amplifiers.